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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/747,650	12/22/2000	Shingo Yamaguchi	49986-0503	9834

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EXAMINER

PHAM, THIERRY L

ART UNIT PAPER NUMBER

2625

DATE MAILED: 10/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/747,650	Applicant(s) YAMAGUCHI, SHINGO	
	Examiner Thierry L. Pham	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 July 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 38, 39 and 49-63 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 38-39, and 49-63 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

- This action is responsive to the following communication: an Amendment filed on 7/24/06.
- Claims 38-39, and 49-63 are pending; claims 1-37, and 40-48 have been canceled; claims 49-63 are newly added.
- Response to non-compliant amendment has been considered and entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 38-39, and 49-63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Slotznick (US 5983200), Iida (US 6671063), and further in view of Gorenz (US 5614694).

Regarding claim 38, Slotznick discloses a printing interface apparatus (stand-alone printing kiosk 10, fig. 3) comprising:

- a wireless interface (modem 46, fig. 3) configured to receive electronic document information (electronic information, col. 15, lines 55-56, and such electronic information includes documents, image data, text file, and etc. col. 10, lines 38-40) from a wireless device (remote devices such kiosk 52, PC 54, telephone 56, and etc., fig. 3) over a wireless connection (satellite transmission network 68, fig. 3, col. 21, lines 5-26);
- wherein the printing interface is configured to transmit (fig. 3) the print ready data (prior to send any electronic data to be printed by a printer, the received electronic data first must be converted to a compatible format such as PDL, PCS, PS, and etc, which is well known in the art) to a printing device (output devices including printer, fig. 3) over a communication link (cable connecting CPU 34 and output 42, fig. 3);

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Slotznick teaches a stand-alone kiosk (including a printer device for outputting electronic data) capable of sending and receiving electronic data from external devices via either wire and/or wireless transmission method, but fails to explicitly teach a web server configured to dynamically generate web page data that can be processed by a web browser for display on the wireless device, wherein the web page data is generated by the web server based on the received electronic document information; and a printer driver configured to process the electronic document information and generate print ready data based on at least the non-print data in the electronic document information.

Iida, in the same field of endeavor for transmitting and sending electronic documents, teaches a web server (web server 1103 as shown in fig. 1 can be incorporated into a network facsimile apparatus as web server section 12 for converting electronic documents into web pages, fig. 1) configured to dynamically generate web page data that can be processed by a web browser (bulletin board to be browsed, col. 2, lines 27-30) for display on the wireless device, wherein the web page data is generated by the web server based on the received electronic document information (web server section 12 includes document list generating section 37 for generating HTML files of received documents, fig. 4, col. 4, lines 58-64, and also notes: Iida also teaches HTML file generating section 11 for generating HTML files from received documents); and a printer driver (printer driver, col. 6, lines 18-20) configured to process the electronic document information and generate print ready data based on at least the non-print data in the electronic document information (it is well known in the art that printer driver as taught by Iida is for converting non-print data document such as image data, text files, and etc. into print ready format such as PDL, PCS, Postscript, and etc. before submitting to printer for outputting, and such printer driver can be installed in any computer readable medium such as host computer or printer).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify stand-alone printing interface kiosk of Slotznick to include a web server and printer driver as taught by Iida because it allows user to print and generate web page (i.e. to be view by plurality of users worldwide) for documents that are wirelessly transmitted from client wireless devices (i.e. stand-alone printing apparatus

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kiosk at job fairs & airports allows users to print resumes and ticket confirmations from client wireless devices such as PDA, Laptop, and etc).

However, the combinations of Slotznick and Iida fail to teach and/or suggest a radio frequency directional shield having an antenna opening configured to allow wireless communication between the wireless interface and wireless device located only substantially in front of the antenna opening.

Gorenz teaches a well-known example of RF shield (RF shield 10, fig. 2) having an antenna opening (fig. 2) configured to allow wireless communication between the wireless interface and wireless device located only substantially in front of the antenna opening.

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify kiosk cover of Slotznick to include a RF shield wall as taught by Gorenz because of a following reason: (●) to prevent wireless signal from leaking to unauthorized users; (●) to prevent other wireless signals from interfering with signals from kiosk device.

Therefore, it would have been obvious to combine Slotznick and Iida with Gorenz to obtain the invention as specified in claim 38.

Regarding claim 39, Gorenz further teaches the shield limiting reception (fig. 2) of the receiving component to those devices that are located substantially in front of the wireless communication component.

Regarding claim 49, Iida further teaches the printing interface as recited in claim 38, wherein: the web server is further configured to include one or more print options selectors (col. 2, lines 40-45) in the web page data that allow a user to request the printing of the contents of the web page data.

Regarding claim 50, Slotznick further teaches the printing interface apparatus as recited in claim 38, wherein: the print ready data is transmitted to the printing device via the wireless interface (modem 46, fig. 3).

Regarding claim 51, Slotznick further teaches the printing interface apparatus as recited in claim 38, further comprising: a wired interface (cable connecting CPU 34 and output device 42, fig. 3) configured to transmit the print ready data to the printing device.

Regarding claim 52, Iida further teaches the printing interface apparatus as recited in claim 38, wherein: the web server is further configured to receive a browser request to generate the web page data; in response to the request, process the electronic document information and generate the web page data, and cause the web page data to be transmitted to a browser (col. 2, lines 28-45 and col. 4, lines 35-40) from which the request was received.

Regarding claim 53, Slotznick further teaches the printing interface apparatus as recited in claim 52, wherein the web page data is transmitted over the wireless interface (ref. 68, fig. 3).

Regarding claim 54, Iida further teaches the printing interface apparatus as recited in claim 38, wherein the web browser is configured to generate CFI scripts (CGI, col. 4, lines 34-65) which, when processed by the web browser, cause electronic document information to be sent to the web server.

Regarding claims 55-57, Bluetooth, 802.11, and 2.4Ghz communication protocol is well known in the art.

Regarding claim 58, Slotznick further teaches the printing interface apparatus as recited in claim 38, further comprising: a payment component (ref. 48, fig. 3) that is configured to control the printing of documents by requiring monetary payment before completion of the transmitting of the print ready data.

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Regarding claim 59, Slotznick further teaches the printing interface apparatus as recited in claim 58, wherein: the payment component is configured as a magnetic card reader (credit card reader 22, fig. 2) that is capable of reading non-physical payment information as payment for generating the hard copy of the one or more electronic documents.

Regarding claim 60, Slotznick further teaches the printing interface apparatus as recited in claim 58, wherein: the payment component is configured to accept physical currency (currency receiver 24, fig. 2) as payment for generating the hard copy of the one or more electronic documents.

Regarding claim 61, Slotznick further teaches the printing interface apparatus as recited in claim 58, wherein: the payment component is configured to accept Cyber-Cash (electronic cash, col. 12, lines 50-55) information over the wireless connection as payment for generating the hard copy of the one or more electronic documents.

Regarding claim 62, Slotznick further teaches the printing interface apparatus as recited in claim 38, wherein the wireless interface component includes means (downloading one or more printer drivers over the wireless connection, wherein the one or more printer drivers are compatible with the printing device is well known in the art) for downloading one or more printer drivers over the wireless connection, wherein the one or more printer drivers are compatible with the printing device.

Regarding claim 63 recite limitations that are similar and in the same scope of invention as to those in claim 38 above; therefore, claim 63 is rejected for the same rejection rationale/basis as described in claim 38.

Response to Arguments

Applicant's arguments with respect to claim 38 have been considered but are moot in view of the new ground(s) of rejection due to newly amended/added limitations/features.

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Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

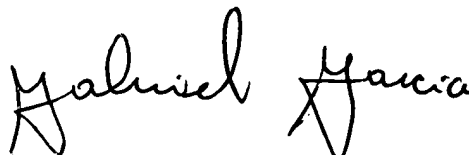
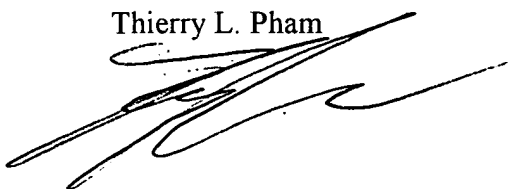
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thierry L. Pham whose telephone number is (571) 272-7439. The examiner can normally be reached on M-F (9:30 AM - 6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on (571)272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Thierry L. Pham



GABRIEL I. GARCIA
PRIMARY EXAMINER